

| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|--|---|------------------|
| - | 0 | 257/\$5.ccls. and breakdown and avalanche and low adj on adj resistance | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/09 17:29 |
| - | 0 | 257/\$5.ccls. and breakdown and low adj on adj resistance | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2001/10/01 07:58 |
| - | 321 | 257/\$5.ccls. and breakdown and low adj2 resistance and latch\$3 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2001/10/01 07:59 |
| - | 15 | 257/\$5.ccls. and breakdown and low adj2 resistance and latch\$3 and avalanche and trench | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2001/10/01 07:59 |
| - | 15 | 257/\$5.ccls. and breakdown and low adj2 resistance and latch\$3 and avalanche and trench and power | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2001/10/01 08:10 |
| - | 0 | (257/\$5.ccls. and breakdown and low adj2 resistance and latch\$3 and avalanche and trench and power) and hamada.in. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2001/10/01 08:00 |
| - | 8 | 257/\$5.ccls. and breakdown and low adj2 resistance and latch\$3 and avalanche and trench and power and igbt | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2001/10/01 08:35 |
| - | 3 | 257/\$5.ccls. and breakdown and low adj2 resistance and latch\$3 and avalanche and trench and power and igbt and rie | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2001/10/01 08:37 |
| - | 562 | vertical near4 mosfet.ti. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2001/10/01 13:15 |
| - | 0 | vertical near4 mosfet.ti. and drift adj drain.ti,ab. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2001/10/01 13:15 |
| - | 0 | vertical near4 mosfet.ti. and drift adj2 drain | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2001/10/01 13:15 |
| - | 7 | vertical near4 mosfet.ti. and (drift near4 drain) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2001/10/01 13:15 |
| - | 36 | semiconducting adj polymer same polyaniline | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2001/10/01 16:53 |
| - | 0 | semiconducting adj polymer same polyaniline and 106/\$5.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2001/10/01 16:53 |

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|---|------|-----------------|---|------------------|
| - | 356 | (257/329).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/01 13:33 |
| - | 568 | (257/330).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/01 13:33 |
| - | 280 | (257/331).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/01 13:33 |
| - | 239 | (257/332).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/01 13:33 |
| - | 525 | (257/341).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/01 13:33 |
| - | 284 | (257/342).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/01 13:33 |
| - | 1013 | (257/401).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/01 13:39 |
| - | 79 | (257/135).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/01 13:39 |
| - | 124 | (257/491).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/01 13:39 |
| - | 76 | (257/492).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/01 13:39 |
| - | 83 | (257/493).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/01 13:39 |
| - | 64 | (438/212).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/01 13:39 |
| - | 193 | (438/259).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/01 13:39 |
| - | 1391 | (438/270).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/01 13:40 |

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| - | 321 | (438/271).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/02/01 13:40 |
| - | 231 | (438/587).CCLS. | USPÄT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/02/01 13:40 |
| - | 141 | (438/588).CCLS. | USPÄT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/02/01 13:40 |
| - | 205 | (438/589).CCLS. | USPÄT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/02/01 13:40 |
| - | 0 | ("L1 or L2 or L3 or L4 or L5 or L6 or L7 or L8 or L9 or L10").PN. | USPÄT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/02/01 13:40 |
| - | 3400 | ((("257/401").CCLS.) or ((("257/135").CCLS.) or ((("257/491").CCLS.) or ((("257/492").CCLS.) or ((("257/493").CCLS.) or ((("438/212").CCLS.) or ((("438/259").CCLS.) or ((("438/270").CCLS.) or ((("438/271").CCLS.) or ((("438/587").CCLS.) | USPÄT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/29 15:37 |
| - | 274 | ((("257/401").CCLS.) or ((("257/135").CCLS.) or ((("257/491").CCLS.) or ((("257/492").CCLS.) or ((("257/493").CCLS.) or ((("438/212").CCLS.) or ((("438/259").CCLS.) or ((("438/270").CCLS.) or ((("438/271").CCLS.) or ((("438/587").CCLS.)) and ((groove or trench) near15 insulat\$3 adj2 (layer or film)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/02/01 13:53 |
| - | 329 | ((("257/401").CCLS.) or ((("257/135").CCLS.) or ((("257/491").CCLS.) or ((("257/492").CCLS.) or ((("257/493").CCLS.) or ((("438/212").CCLS.) or ((("438/259").CCLS.) or ((("438/270").CCLS.) or ((("438/271").CCLS.) or ((("438/587").CCLS.)) and ((groove or trench) adj2 gate | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/02/01 13:54 |
| - | 81 | ((("257/401").CCLS.) or ((("257/135").CCLS.) or ((("257/491").CCLS.) or ((("257/492").CCLS.) or ((("257/493").CCLS.) or ((("438/212").CCLS.) or ((("438/259").CCLS.) or ((("438/270").CCLS.) or ((("438/271").CCLS.) or ((("438/587").CCLS.)) and ((groove or trench) adj2 gate) and base adj2 (region or layer) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/02/01 13:56 |
| - | 81 | ((("257/401").CCLS.) or ((("257/135").CCLS.) or ((("257/491").CCLS.) or ((("257/492").CCLS.) or ((("257/493").CCLS.) or ((("438/212").CCLS.) or ((("438/259").CCLS.) or ((("438/270").CCLS.) or ((("438/271").CCLS.) or ((("438/587").CCLS.)) and ((groove or trench) adj2 gate) and (n-base or p-base or p adj base or n adj base or base) adj2 (region or layer) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/02/01 14:31 |

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|---|------|--|---|------------------|
| - | 24 | hamada.in. and trench | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/02/01 14:38 |
| - | 3071 | ((trench or groove) near3 gate) | EPO; JPO; DERWENT; IBM_TDB | 2002/02/01 14:39 |
| - | 629 | ((trench or groove) near3 gate) and conduct\$5 and semiconduct\$5 | EPO; JPO; DERWENT; IBM_TDB | 2002/02/01 14:40 |
| - | 612 | ((trench or groove) near3 gate) and conduct\$5 and semiconduct\$5.ti,ab. | EPO; JPO; DERWENT; IBM_TDB | 2002/02/01 14:40 |
| - | 598 | ((trench or groove) near3 gate).ti,ab. and conduct\$5 and semiconduct\$5.ti,ab. | EPO; JPO; DERWENT; IBM_TDB | 2002/02/01 14:49 |
| - | 120 | ((trench or groove) near3 gate).ti,ab. and conduct\$5 and semiconduct\$5.ti,ab. and connect\$3 | EPO; JPO; DERWENT; IBM_TDB | 2002/02/01 15:51 |
| - | 1 | 5861649.pn. | USPAT | 2002/02/07 11:35 |
| - | 1 | 6118150.pn. | EPO; JPO; DERWENT; IBM_TDB | 2002/02/01 15:12 |
| - | 1 | 6118150.pn. | USPAT | 2002/02/01 15:12 |
| - | 3 | herzer.in. and trench | EPO; JPO; DERWENT; IBM_TDB | 2002/02/01 16:47 |
| - | 8 | (("6163051") or ("6118150") or ("6072214")).PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/02/01 17:24 |
| - | 3 | (("6163051") or ("6118150") or ("6072214")).PN. | USPAT | 2002/02/01 17:25 |
| - | 1 | 6096608.pn. | USPAT | 2002/02/07 11:43 |
| - | 1 | 5648670.pn. | USPAT | 2002/02/07 11:36 |
| - | 1 | 6163051.pn. | USPAT | 2002/02/07 11:43 |
| - | 3 | 5502320.pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/02/07 14:00 |
| - | 32 | (("6221721") or ("6069043") or ("6051488") or ("6051468") or ("6015737") or ("5897343") or ("5776812") or ("5021355") or ("4983535") or ("5861649") or ("5877528") or ("6072214") or ("5502320")).PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/02/07 14:57 |
| - | 13 | (("6221721") or ("6069043") or ("6051488") or ("6051468") or ("6015737") or ("5897343") or ("5776812") or ("5021355") or ("4983535") or ("5861649") or ("5877528") or ("6072214") or ("5502320")).PN. | USPAT | 2002/02/07 16:06 |
| - | 2 | (("5502320") or ("5986304")).PN. | USPAT | 2002/02/07 16:07 |
| - | 0 | ("common adj source and trench adj gate").PN. | USPAT | 2002/02/07 16:07 |
| - | 36 | common adj source and trench adj gate | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/02/07 16:08 |
| - | 2 | (("5502320") or ("5986304")).PN. | USPAT | 2002/05/20 13:55 |
| - | 225 | (punchthrough or punch-through) same memory.ti,ab. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/05/20 15:13 |

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|---|------|--|---|------------------|
| - | 17 | (punchthrough or punch-through) same memory.ti,ab. and dynamic adj random adj access adj memory | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/08/31 13:25 |
| - | 2 | (punchthrough or punch-through) same memory.ti. and dynamic adj random adj access adj memory | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/08/31 15:21 |
| - | 3 | 663340.ap. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/08/31 15:36 |
| - | 11 | body adj (bias or biasing).ti,ab. and MOS.ti,ab. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/08/31 16:28 |
| - | 1268 | ((257/329) or (257/330) or (257/331) or (257/332)).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/08/31 16:29 |
| - | 800 | ((257/341) or (257/342)).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/08/31 16:29 |
| - | 1173 | ((257/401) or (257/135)).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/08/31 16:29 |
| - | 260 | ((257/491) or (257/492) or (257/493)).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/08/31 16:30 |
| - | 325 | ((438/212) or (438/259)).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/08/31 16:30 |
| - | 2283 | ((438/270) or (438/271) or (438/587) or (438/588) or (438/589)).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/08/31 16:31 |
| - | 5500 | ((((257/329) or (257/330) or (257/331) or (257/332)).CCLS.) or (((257/341) or (257/342)).CCLS.) or (((257/401) or (257/135)).CCLS.) or (((257/491) or (257/492) or (257/493)).CCLS.) or (((438/212) or (438/259)).CCLS.) or (((438/270) or (438/271) or (438/587) or (438/588) or (438/589)).CCLS.) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/09 17:32 |
| - | 0 | ((((257/329) or (257/330) or (257/331) or (257/332)).CCLS.) or (((257/341) or (257/342)).CCLS.) or (((257/401) or (257/135)).CCLS.) or (((257/491) or (257/492) or (257/493)).CCLS.) or (((438/212) or (438/259)).CCLS.) or (((438/270) or (438/271) or (438/587) or (438/588) or (438/589)).CCLS.) and (punchthrough or punch-through) near3 dram | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/08/31 16:32 |

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| - | 4 | ((((257/329) or (257/330) or (257/331) or (257/332)).CCLS.) or (((257/341) or (257/342)).CCLS.) or (((257/401) or (257/135)).CCLS.) or (((257/491) or (257/492) or (257/493)).CCLS.) or (((438/212) or (438/259)).CCLS.) or (((438/270) or (438/271) or (438/587) or (438/588) or (438/589)).CCLS.)) and (punchthrough or punch-through) near12 dram | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/08/31 16:32 |
| - | 20 | (US-6051468-\$ or US-5502320-\$ or US-5439835-\$ or US-6015737-\$ or US-5897343-\$ or US-6221721-\$ or US-6198128-\$ or US-6150688-\$ or US-6069043-\$ or US-5776812-\$ or US-5021355-\$ or US-4983535-\$ or US-6051488-\$ or US-5627390-\$ or US-5780888-\$).did. or (EP-550770-\$ or US-5861649-\$).did. or (JP-06097449-\$).did. or (US-6111283-\$ or US-5877528-\$ or US-6072214-\$).did. | USPAT; EPO; JPO; DERWENT | 2002/12/12 16:37 |
| - | 51 | power adj (dmos or dmosfet).ti,ab,clm. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/12 20:05 |
| - | 7 | power adj (dmos or dmosfet).ti,ab,clm. and (groove or trench) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/12 20:25 |
| - | 500 | (257/330).CCLS. | USPAT; US-PGPUB | 2002/12/12 20:27 |
| - | 507 | (257/341).CCLS. | USPAT; US-PGPUB | 2002/12/12 20:27 |
| - | 40 | ((257/330).CCLS.) and ((257/341).CCLS.) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/12 20:27 |
| - | 799 | 257/329 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 09:33 |
| - | 1162 | 257/330 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 09:33 |
| - | 600 | 257/331 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 09:34 |
| - | 531 | 257/332 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 09:34 |
| - | 344 | 257/334 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 09:34 |
| - | 1015 | 257/335 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 09:34 |

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| - | 1287 | 257/336 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 09:34 |
| - | 3959 | 257/329 or 257/330 or 257/331 or 257/332 or 257/334 or 257/335 or 257/336 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 09:34 |
| - | 244 | (257/329 or 257/330 or 257/331 or 257/332 or 257/334 or 257/335 or 257/336) and body adj (contact or tie or bias) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 11:15 |
| - | 2 | ("6429481").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 11:15 |
| - | 2 | ("6429481").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/12 11:24 |
| - | 821 | insulated adj gate adj bipolar adj transistor.ti. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/12 11:25 |
| - | 153 | insulated adj gate adj bipolar adj transistor.ti. and 257/\$9.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/12 11:25 |
| - | 1 | ("6429481").PN. | USPAT | 2003/12/29 13:59 |
| - | 2948 | ((257/328) or (257/329) or (257/330) or (257/331) or (257/341) or (257/342) or (257/401) or (257/491) or (257/492) or (257/493)).CCLS. | USPAT; US-PGPUB | 2003/12/29 15:40 |
| - | 71 | ((257/328) or (257/329) or (257/330) or (257/331) or (257/341) or (257/342) or (257/401) or (257/491) or (257/492) or (257/493)).CCLS.) and (trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/29 15:41 |
| - | 152 | (trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm. | EPO; JPO; DERWENT; IBM_TDB | 2003/12/29 15:41 |
| - | 152 | ((257/328) or (257/329) or (257/330) or (257/331) or (257/341) or (257/342) or (257/401) or (257/491) or (257/492) or (257/493)).CCLS.) and (trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.) ((trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.) | EPO; JPO; DERWENT; IBM_TDB | 2003/12/29 20:30 |
| - | 223 | ((257/328) or (257/329) or (257/330) or (257/331) or (257/341) or (257/342) or (257/401) or (257/491) or (257/492) or (257/493)).CCLS.) and (trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.) ((trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/29 20:32 |
| - | 8 | (US-6545315-\$ or US-5410170-\$).did. or (US-5866931-\$ or US-5877528-\$ or EP-923137-\$ or US-20010008788-\$ or US-5298442-\$ or US-5410170-\$).did. | USPAT; DERWENT | 2003/12/29 16:47 |

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| - | 152 | (((257/328) or (257/335) or (257/329) or (257/330) or (257/331) or (257/341) or (257/342) or (257/401) or (257/491) or (257/492) or (257/493)).CCLS.) and (trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.) ((trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.) | EPO; JPO; DERWENT; IBM_TDB | 2003/12/29 20:31 |
| - | 289 | (((257/328) or (257/335) or (257/329) or (257/330) or (257/331) or (257/341) or (257/342) or (257/401) or (257/491) or (257/492) or (257/493)).CCLS.) and (trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.) ((trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/29 20:49 |

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| | <p>223 (US-5723891-\$ or US-5665996-\$ or US-5640034-\$ or US-5629543-\$ or US-5468982-\$ or US-5430324-\$ or US-5410170-\$ or US-5341011-\$ or US-5316959-\$ or US-5298442-\$ or US-5072266-\$ or US-5034785-\$ or US-4893160-\$ or US-4767722-\$ or US-4561168-\$ or US-6624494-\$ or US-6621107-\$ or US-6576952-\$ or US-6548860-\$ or US-6545315-\$ or US-6534825-\$ or US-6518621-\$ or US-6518127-\$ or US-6512267-\$ or US-6489652-\$ or US-6445037-\$).did. or (US-6432775-\$ or US-6413822-\$ or US-6396090-\$ or US-6376315-\$ or US-6281547-\$ or US-6262453-\$ or US-6239466-\$ or US-6239463-\$ or US-6188104-\$ or US-6172398-\$ or US-6150693-\$ or US-6107661-\$ or US-5986304-\$ or US-5981999-\$ or US-5973361-\$ or US-5929481-\$ or US-5910669-\$ or US-5877528-\$ or US-5866931-\$ or US-5821583-\$ or US-5808340-\$ or US-5770878-\$ or US-5763915-\$ or US-5747851-\$ or US-6657256-\$ or US-6657255-\$ or US-6649477-\$).did. or (US-6627950-\$).did. or (US-20030040144-\$ or US-20030001199-\$ or US-20020195657-\$ or US-20020175367-\$ or US-20030173619-\$ or US-20030168696-\$ or US-20030122189-\$ or US-20030122188-\$ or US-20020140027-\$ or US-20020125527-\$ or US-20020093048-\$ or US-20020030224-\$ or US-20020019099-\$ or US-20020008281-\$ or US-20010028085-\$ or US-20010023961-\$ or US-20010003367-\$).did. or (EP-580452-\$ or EP-580213-\$ or EP-342952-\$ or WO-3038863-\$ or EP-1191603-\$ or WO-9912213-\$ or DE-19742181-\$ or WO-9804004-\$ or WO-9742663-\$ or WO-9733320-\$ or WO-9707548-\$ or WO-9635231-\$ or EP-583023-\$).did. or (JP-2003158268-\$ or JP-2003060205-\$ or JP-2003060204-\$ or JP-2002217426-\$ or JP-2002043570-\$ or JP-11026605-\$ or JP-10294463-\$ or JP-08298321-\$ or JP-08097411-\$ or JP-06334184-\$ or JP-06151845-\$ or JP-06151740-\$ or JP-03035534-\$ or JP-02249277-\$ or JP-02249276-\$ or JP-02150057-\$ or JP-63281468-\$).did. or (US-5929481-\$ or US-5668026-\$ or US-5821583-\$ or KR-97030508-\$ or TW-308735-\$ or JP-09148578-\$ or JP-09097907-\$ or WO-9707548-\$ or US-5629543-\$ or TW-297929-\$ or US-5665619-\$ or US-5567634-\$ or EP-721211-\$ or US-5474943-\$ or US-5410170-\$ or EP-616372-\$ or JP-06151740-\$ or US-5298442-\$ or EP-583023-\$ or EP-580452-\$ or EP-580213-\$ or US-5268326-\$ or US-5156993-\$ or US-5034785-\$ or US-4983535-\$ or EP-398468-\$).did. or (RD-314077-\$ or US-4914058-\$ or DE-3916707-\$ or US-4893160-\$ or EP-342952-\$ or EP-328331-\$ or RD-300060-\$ or RD-297008-\$ or EP-255973-\$ or EP-238749-\$ or EP-227894-\$ or EP-209949-\$ or US-4561168-\$ or US-4119996-\$ or US-20020013029-\$ or US-20020008281-\$ or EP-1172848-\$ or US-20020061623-\$ or US-6303410-\$ or US-6376315-\$ or US-20010023961-\$ or US-200165607-\$ or US-6312993-\$ or DE-10007415-\$ or US-6281547-\$ or US-6262453-\$ or US-20010003367-\$).did. or</p> | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/29 20:32 |
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| - | 66 | <p> ((((257/328) or (257/335) or (257/329) or (257/330) or (257/331) or (257/341) or (257/342) or (257/401) or (257/491) or (257/492) or (257/493)).CCLS.) and (trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.) ((trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.)) not ((US-5723891-\$ or US-5665996-\$ or US-5640034-\$ or US-5629543-\$ or US-5468982-\$ or US-5430324-\$ or US-5410170-\$ or US-5341011-\$ or US-5316959-\$ or US-5298442-\$ or US-5072266-\$ or US-5034785-\$ or US-4893160-\$ or US-4767722-\$ or US-4561168-\$ or US-6624494-\$ or US-6621107-\$ or US-6576952-\$ or US-6548860-\$ or US-6545315-\$ or US-6534825-\$ or US-6518621-\$ or US-6518127-\$ or US-6512267-\$ or US-6489652-\$ or US-6445037-\$).did. or (US-6432775-\$ or US-6413822-\$ or US-6396090-\$ or US-6376315-\$ or US-6281547-\$ or US-6262453-\$ or US-6239466-\$ or US-6239463-\$ or US-6188104-\$ or US-6172398-\$ or US-6150693-\$ or US-6107661-\$ or US-5986304-\$ or US-5981999-\$ or US-5973361-\$ or US-5929481-\$ or US-5910669-\$ or US-5877528-\$ or US-5866931-\$ or US-5821583-\$ or US-5808340-\$ or US-5770878-\$ or US-5763915-\$ or US-5747851-\$ or US-6657256-\$ or US-6657255-\$ or US-6649477-\$).did. or (US-6627950-\$).did. or (US-20030040144-\$ or US-20030001199-\$ or US-20020195657-\$ or US-20020175367-\$ or US-20030173619-\$ or US-20030168696-\$ or US-20030122189-\$ or US-20030122188-\$ or US-20020140027-\$ or US-20020125527-\$ or US-20020093048-\$ or US-20020030224-\$ or US-20020019099-\$ or US-20020008281-\$ or US-20010028085-\$ or US-20010023961-\$ or US-20010003367-\$).did. or (EP-580452-\$ or EP-580213-\$ or EP-342952-\$ or WO-3038863-\$ or EP-1191603-\$ or WO-9912213-\$ or DE-19742181-\$ or WO-9804004-\$ or WO-9742663-\$ or WO-9733320-\$ or WO-9707548-\$ or WO-9635231-\$ or EP-583023-\$).did. or (JP-2003158268-\$ or JP-2003060205-\$ or JP-2003060204-\$ or JP-2002217426-\$ or JP-2002043570-\$ or JP-11026605-\$ or JP-10294463-\$ or JP-08298321-\$ or JP-08097411-\$ or JP-06334184-\$ or JP-06151845-\$ or JP-06151740-\$ or JP-03035534-\$ or JP-02249277-\$ or JP-02249276-\$ or JP-02150057-\$ or JP-63281468-\$).did. or (US-5929481-\$ or US-5668026-\$ or US-5821583-\$ or KR-97030508-\$ or TW-308735-\$ or JP-09148578-\$ or JP-09097907-\$ or WO-9707548-\$ or US-5629543-\$ or TW-297929-\$ or US-5665619-\$ or US-5567634-\$ or EP-721211-\$ or US-5474943-\$ or US-5410170-\$ or EP-616372-\$ or JP-06151740-\$ or US-5298442-\$ or EP-583023-\$ or EP-580452-\$ or EP-580213-\$ or US-5268326-\$ or US-5156993-\$ or US-5034785-\$ or US-4983535-\$ or EP-398468-\$).did. or (RD-314077-\$ or US-4914058-\$ or DE-3916707-\$ or US-4893160-\$ or EP-342952-\$ or EP-328331-\$ or RD-300060-\$ or RD-297008-\$ or EP-255973-\$ or EP-238749-\$ or EP-227894-\$ </p> | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/29 20:32 |
| Search History | 1/9/04 7:48:21 PM | Page 10 | | |
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| - | 3 | 663340.ap. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/29 20:42 |
| - | 289 | ((((257/327) or (257/335) or (257/493)).CCLS.) and (trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.) ((trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/29 20:50 |

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| | <p>66 (((((257/327) or (257/335) or (257/493)).CCLS.) and (trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.) ((trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.)) not ((US-5723891-\$ or US-5665996-\$ or US-5640034-\$ or US-5629543-\$ or US-5468982-\$ or US-5430324-\$ or US-5410170-\$ or US-5341011-\$ or US-5316959-\$ or US-5298442-\$ or US-5072266-\$ or US-5034785-\$ or US-4893160-\$ or US-4767722-\$ or US-4561168-\$ or US-6624494-\$ or US-6621107-\$ or US-6576952-\$ or US-6548860-\$ or US-6545315-\$ or US-6534825-\$ or US-6518621-\$ or US-6518127-\$ or US-6512267-\$ or US-6489652-\$ or US-6445037-\$).did. or (US-6432775-\$ or US-6413822-\$ or US-6396090-\$ or US-6376315-\$ or US-6281547-\$ or US-6262453-\$ or US-6239466-\$ or US-6239463-\$ or US-6188104-\$ or US-6172398-\$ or US-6150693-\$ or US-6107661-\$ or US-5986304-\$ or US-5981999-\$ or US-5973361-\$ or US-5929481-\$ or US-5910669-\$ or US-5877528-\$ or US-5866931-\$ or US-5821583-\$ or US-5808340-\$ or US-5770878-\$ or US-5763915-\$ or US-5747851-\$ or US-6657256-\$ or US-6657255-\$ or US-6649477-\$).did. or (US-6627950-\$).did. or (US-20030040144-\$ or US-20030001199-\$ or US-20020195657-\$ or US-20020175367-\$ or US-20030173619-\$ or US-20030168696-\$ or US-20030122189-\$ or US-20030122188-\$ or US-20020140027-\$ or US-20020125527-\$ or US-20020093048-\$ or US-20020030224-\$ or US-20020019099-\$ or US-20020008281-\$ or US-20010028085-\$ or US-20010023961-\$ or US-20010003367-\$).did. or (EP-580452-\$ or EP-580213-\$ or EP-342952-\$ or WO-3038863-\$ or EP-1191603-\$ or WO-9912213-\$ or DE-19742181-\$ or WO-9804004-\$ or WO-9742663-\$ or WO-9733320-\$ or WO-9707548-\$ or WO-9635231-\$ or EP-583023-\$).did. or (JP-2003158268-\$ or JP-2003060205-\$ or JP-2003060204-\$ or JP-2002217426-\$ or JP-2002043570-\$ or JP-11026605-\$ or JP-10294463-\$ or JP-08298321-\$ or JP-08097411-\$ or JP-06334184-\$ or JP-06151845-\$ or JP-06151740-\$ or JP-03035534-\$ or JP-02249277-\$ or JP-02249276-\$ or JP-02150057-\$ or JP-63281468-\$).did. or (US-5929481-\$ or US-5668026-\$ or US-5821583-\$ or KR-97030508-\$ or TW-308735-\$ or JP-09148578-\$ or JP-09097907-\$ or WO-9707548-\$ or US-5629543-\$ or TW-297929-\$ or US-5665619-\$ or US-5567634-\$ or EP-721211-\$ or US-5474943-\$ or US-5410170-\$ or EP-616372-\$ or JP-06151740-\$ or US-5298442-\$ or EP-583023-\$ or EP-580452-\$ or EP-580213-\$ or US-5268326-\$ or US-5156993-\$ or US-5034785-\$ or US-4983535-\$ or EP-398468-\$).did. or (RD-314077-\$ or US-4914058-\$ or DE-3916707-\$ or US-4893160-\$ or EP-342952-\$ or EP-328331-\$ or RD-300060-\$ or RD-297008-\$ or EP-255973-\$ or EP-238749-\$ or EP-227894-\$ or EP-209949-\$ or US-4561168-\$ or US-411999-\$ or US-20020013029-\$ or</p> | <p>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</p> | <p>2003/12/29 21:00</p> |
| <p>Search History</p> | <p>1/9/04 7:38:21 PM Page 12 D:\January_2004_copy\02663340.wsp</p> | | |

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| - | 2 | jp-09270512\$-\$.did. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/29 21:03 |
| - | 2 | jp-10150191\$-\$.did. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/29 21:05 |
| - | 10 | jp-6350071\$-\$.did. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/29 21:06 |
| - | 0 | jp-6350071\$-\$.did. and kawashima.in. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/29 21:05 |
| - | 2 | jp-63050071\$-\$.did. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/29 21:06 |
| - | 5 | 158637.ap. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/30 09:21 |
| - | 4 | 948930.ap. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/30 09:21 |
| - | 3349 | ((257/327) or (257/328) or (257/329) or (257/330) or (257/331) or (257/341) or (257/342) or (257/401) or (257/491) or (257/492) or (257/335)).CCLS. | USPAT; US-PGPUB | 2004/01/09 17:30 |
| - | 3400 | ((257/327) or (257/328) or (257/329) or (257/330) or (257/331) or (257/341) or (257/342) or (257/401) or (257/491) or (257/492) or (257/493) or (257/335)).CCLS. | USPAT; US-PGPUB | 2004/01/09 17:31 |
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